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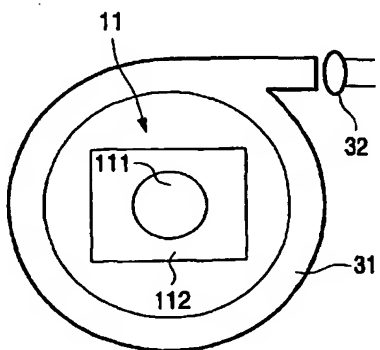
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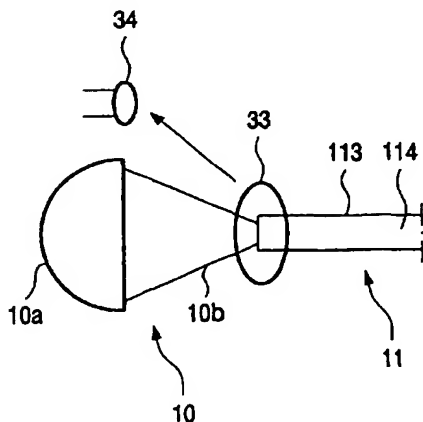
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(54) Title: PROJECTION SYSTEM



(57) Abstract: A projection system having a projection display (20), at least one light source (10), and a sensor means for sensing and compensating for changes in the luminous flux emitted by the at least one light source (10) is described. The sensor means comprises in this case at least one sensor arrangement (30; 31, 32; 33, 34) for sensing components (M) of the light from the light source (10) that are directed into a region surrounding an entering face of an optical component (11) of the projection system. It has been found that there is a very good correlation between these components (M) of the light from the light source (10) and those other components (I) of the light that actually reach the projection display (20), which means that by controlling a power supply unit (10c) for the light source (10) and/or a driver unit (20a) driving the projection display (20) in a suitable manner it is possible very effectively to suppress fluctuations in brightness that occur as a result of, for example, unstable arc discharges.





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According to International Patent Classification (IPC) or to both national classification and IPC

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Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H05B H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	EP 1 280 387 A (PHILIPS CORP INTELLECTUAL PTY ;KONINKL PHILIPS ELECTRONICS NV (NL)) 29 January 2003 (2003-01-29)	1-3,8,9
P,Y	figure 1	5
X	WO 94 10675 A (KAVANAGH MARTIN ;RANK BRIMAR LTD (GB)) 11 May 1994 (1994-05-11)	1-3,8,9
Y	page 10, line 14 -page 11, line 3; figure 1	5
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A	EP 1 223 766 A (TEXAS INSTRUMENTS INC) 17 July 2002 (2002-07-17) paragraphs '0020!,'0021!; figure 4	1-3

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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